

1FW16

# CRF Errors Edited by the STIC Systems Branch

Serial Number: 09/832,929A

CRF Edit Date: 8/27/04  
Edited by: Az



\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:  
\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID  
NO's edited:  
\_\_\_\_\_

\_\_\_ Deleted: \_\_\_ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:  
\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:  
\_\_\_\_\_

\_\_\_ Other:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



IFW16

## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:53:30

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08272004\I832929A.raw

4 <110> APPLICANT: Human Genome Sciences, Inc.  
 6 <120> TITLE OF INVENTION: Albumin Fusion Proteins  
 8 <130> FILE REFERENCE: PF547PCT  
 10 <140> CURRENT APPLICATION NUMBER: 09/832,929A  
 11 <141> CURRENT FILING DATE: 2001-04-12  
 13 <150> PRIOR APPLICATION NUMBER: 60/229,358  
 14 <151> PRIOR FILING DATE: 2000-04-12  
 16 <150> PRIOR APPLICATION NUMBER: 60/256,931  
 17 <151> PRIOR FILING DATE: 2000-12-21  
 19 <150> PRIOR APPLICATION NUMBER: 60/199,384  
 20 <151> PRIOR FILING DATE: 2000-04-25  
 22 <160> NUMBER OF SEQ ID NOS: 82  
 24 <170> SOFTWARE: PatentIn Ver. 2.1  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 23  
 28 <212> TYPE: DNA  
 29 <213> ORGANISM: Artificial Sequence  
 31 <220> FEATURE:  
 32 <221> NAME/KEY: primer\_bind  
 33 <223> OTHER INFORMATION: primer useful to clone human growth hormone cDNA  
 35 <400> SEQUENCE: 1  
 36 cccaagaatt cccttatcca ggc 23  
 39 <210> SEQ ID NO: 2  
 40 <211> LENGTH: 33  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: Artificial Sequence  
 44 <220> FEATURE:  
 45 <221> NAME/KEY: primer\_bind  
 46 <223> OTHER INFORMATION: primer useful to clone human growth hormone cDNA  
 48 <400> SEQUENCE: 2  
 49 gggaagctta gaagccacag gatccctcca cag 33  
 52 <210> SEQ ID NO: 3  
 53 <211> LENGTH: 16  
 54 <212> TYPE: DNA  
 55 <213> ORGANISM: Artificial Sequence  
 57 <220> FEATURE:  
 58 <221> NAME/KEY: misc\_structure  
 59 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments  
 60 with non-cohesive ends.  
 62 <400> SEQUENCE: 3  
 63 gataaagatt cccaac 16  
 66 <210> SEQ ID NO: 4  
 67 <211> LENGTH: 17

P.6

## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:53:30

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08272004\I832929A.raw

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68 <212> TYPE: DNA
69 <213> ORGANISM: Artificial Sequence
71 <220> FEATURE:
72 <221> NAME/KEY: misc_structure
73 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments
74     with non-cohesive ends.
76 <400> SEQUENCE: 4
77 aattgttggg aatcttt                                     17
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 17
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <221> NAME/KEY: misc_structure
87 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments
88     with non-cohesive ends.
90 <400> SEQUENCE: 5
91 ttaggcttat tcccaac                                     17
94 <210> SEQ ID NO: 6
95 <211> LENGTH: 18
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial Sequence
99 <220> FEATURE:
100 <221> NAME/KEY: misc_structure
101 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA fragments
102     with non-cohesive ends.
104 <400> SEQUENCE: 6
105 aattgttggg aataagcc                                     18
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 24
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <221> NAME/KEY: SITE
115 <222> LOCATION: 1)..(19)
116 <223> OTHER INFORMATION: invertase leader sequence
118 <220> FEATURE:
119 <221> NAME/KEY: SITE
120 <222> LOCATION: 20)..(24)
121 <223> OTHER INFORMATION: first 5 amino acids of mature human serum albumin
123 <400> SEQUENCE: 7
124 Met Leu Leu Gln Ala Phe Leu Phe Leu Leu Ala Gly Phe Ala Ala Lys
125   1           5           10           15
127 Ile Ser Ala Asp Ala His Lys Ser
128           20
131 <210> SEQ ID NO: 8
132 <211> LENGTH: 21
133 <212> TYPE: DNA
134 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:53:30

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08272004\I832929A.raw

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136 <220> FEATURE:
137 <221> NAME/KEY: misc_structure
138 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
139     fragments with non-cohesive ends.
141 <400> SEQUENCE: 8
142 gagatgcaca cctgagtgag g                                21
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 27
147 <212> TYPE: DNA
148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <221> NAME/KEY: misc_structure
152 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
153     fragments with non-cohesive ends.
155 <400> SEQUENCE: 9
156 gatcctgtgg cttcgatgca cacaaga                            27
159 <210> SEQ ID NO: 10
160 <211> LENGTH: 24
161 <212> TYPE: DNA
162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <221> NAME/KEY: misc_structure
166 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
167     fragments with non-cohesive ends.
169 <400> SEQUENCE: 10
170 ctcttgtgtg catcgaagcc acag                                24
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 30
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <221> NAME/KEY: misc_structure
180 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
181     fragments with non-cohesive ends.
183 <400> SEQUENCE: 11
184 tgtggaagag cctcagaatt tattcccaac                            30
187 <210> SEQ ID NO: 12
188 <211> LENGTH: 31
189 <212> TYPE: DNA
190 <213> ORGANISM: Artificial Sequence
192 <220> FEATURE:
193 <221> NAME/KEY: misc_structure
194 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
195     fragments with non-cohesive ends.
197 <400> SEQUENCE: 12
198 aattgttggg aataaattct gaggctcttc c                            31
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 47
203 <212> TYPE: DNA

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## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:53:30

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08272004\I832929A.raw

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204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <221> NAME/KEY: misc_structure
208 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
209     fragments with non-cohesive ends.
211 <400> SEQUENCE: 13
212 ttaggcttag gtggcggtgg atccggcggt ggtggatctt tcccaac          47
215 <210> SEQ ID NO: 14
216 <211> LENGTH: 48
217 <212> TYPE: DNA
218 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <221> NAME/KEY: misc_structure
222 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
223     fragments with non-cohesive ends.
225 <400> SEQUENCE: 14
226 aattgttggg aaagatccac caccgccgga tccaccgcca cctaagcc          48
229 <210> SEQ ID NO: 15
230 <211> LENGTH: 62
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <221> NAME/KEY: misc_structure
236 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
237     fragments with non-cohesive ends.
239 <400> SEQUENCE: 15
240 ttaggcttag gcggtggtgg atctggtggc ggcggatctg gtggcggtgg atccttccca 60
241 ac                                                                62
244 <210> SEQ ID NO: 16
245 <211> LENGTH: 63
246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
249 <220> FEATURE:
250 <221> NAME/KEY: misc_structure
251 <223> OTHER INFORMATION: synthetic oligonucleotide used to join DNA
252     fragments with non-cohesive ends.
254 <400> SEQUENCE: 16
255 aattgttggg aaggatccac cgccaccaga tccgccgcca ccagatccac caccgcctaa 60
256 gcc                                                                63
259 <210> SEQ ID NO: 17
260 <211> LENGTH: 1782
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
264 <220> FEATURE:
265 <221> NAME/KEY: CDS
266 <222> LOCATION: (1)..(1755)
269 <400> SEQUENCE: 17
270 gat gca cac aag agt gag gtt gct cat cgg ttt aaa gat ttg gga gaa   48
271 Asp Ala His Lys Ser Glu Val Ala His Arg Phe Lys Asp Leu Gly Glu

```

## RAW SEQUENCE LISTING

DATE: 08/27/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:53:30

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08272004\I832929A.raw

272	1	5	10	15	
274	gaa aat ttc	aaa gcc ttg	gtg ttg att	gcc ttt gct	cag tat ctt cag 96
275	Glu Asn Phe	Lys Ala Leu	Val Leu Ile	Ala Phe Ala	Gln Tyr Leu Gln
276		20	25	30	
278	cag tgt cca	ttt gaa gat	cat gta aaa	tta gtg aat	gaa gta act gaa 144
279	Gln Cys Pro	Phe Glu Asp	His Val Lys	Leu Val Asn	Glu Val Thr Glu
280		35	40	45	
282	ttt gca aaa	aca tgt gtt	gct gat gag	tca gct gaa	aat tgt gac aaa 192
283	Phe Ala Lys	Thr Cys Val	Ala Asp Glu	Ser Ala Glu	Asn Cys Asp Lys
284		50	55	60	
286	tca ctt cat	acc ctt ttt	gga gac aaa	tta tgc aca	gtt gca act ctt 240
287	Ser Leu His	Thr Leu Phe	Gly Asp Lys	Leu Cys Thr	Val Ala Thr Leu
288	65	70	75	80	
290	cgt gaa acc	tat ggt gaa	atg gct gac	tgc tgt gca	aaa caa gaa cct 288
291	Arg Glu Thr	Tyr Gly Glu	Met Ala Asp	Cys Cys Ala	Lys Gln Glu Pro
292		85	90	95	
294	gag aga aat	gaa tgc ttg	caa cac aaa	gat gac aac	cca aac ctc 336
295	Glu Arg Asn	Glu Cys Phe	Leu Gln His	Lys Asp Asp	Asn Pro Asn Leu
296		100	105	110	
298	ccc cga ttg	gtg aga cca	gag gtt gat	gtg atg tgc	act gct ttt cat 384
299	Pro Arg Leu	Val Arg Pro	Glu Val Asp	Val Met Cys	Thr Ala Phe His
300		115	120	125	
302	gac aat gaa	gag aca ttt	ttg aaa aaa	tac tta tat	gaa att gcc aga 432
303	Asp Asn Glu	Glu Thr Phe	Leu Lys Lys	Tyr Leu Tyr	Glu Ile Ala Arg
304		130	135	140	
306	aga cat cct	tac ttt tat	gcc ccg gaa	ctc ctt ttc	ttt gct aaa agg 480
307	Arg His Pro	Tyr Phe Tyr	Ala Pro Glu	Leu Leu Phe	Phe Ala Lys Arg
308	145	150	155	160	
310	tat aaa gct	gct ttt aca	gaa tgt tgc	caa gct gct	gat aaa gct gcc 528
311	Tyr Lys Ala	Ala Phe Thr	Glu Cys Cys	Gln Ala Ala	Asp Lys Ala Ala
312		165	170	175	
314	tgc ctg ttg	cca aag ctc	gat gaa ctt	cgg gat gaa	ggg aag gct tcg 576
315	Cys Leu Leu	Pro Lys Leu	Asp Glu Leu	Arg Asp Glu	Gly Lys Ala Ser
316		180	185	190	
318	tct gcc aaa	cag aga ctc	aaa tgt gcc	agt ctc caa	aaa ttt gga gaa 624
319	Ser Ala Lys	Gln Arg Leu	Lys Cys Ala	Ser Leu Gln	Lys Phe Gly Glu
320		195	200	205	
322	aga gct ttc	aaa gca tgg	gca gtg gct	cgc ctg agc	cag aga ttt ccc 672
323	Arg Ala Phe	Lys Ala Trp	Ala Val Ala	Arg Leu Ser	Gln Arg Phe Pro
324		210	215	220	
326	aaa gct gag	ttt gca gaa	gtt tcc aag	tta gtg aca	gat ctt acc aaa 720
327	Lys Ala Glu	Phe Ala Glu	Val Ser Lys	Leu Val Thr	Asp Leu Thr Lys
328	225	230	235	240	
330	gtc cac acg	gaa tgc tgc	cat gga gat	ctg ctt gaa	tgt gct gat gac 768
331	Val His Thr	Glu Cys Cys	His Gly Asp	Leu Leu Glu	Cys Ala Asp Asp
332		245	250	255	
334	agg gcg gac	ctt gcc aag	tat atc tgt	gaa aat cag	gat tcg atc tcc 816
335	Arg Ala Asp	Leu Ala Lys	Tyr Ile Cys	Glu Asn Gln	Asp Ser Ile Ser
336		260	265	270	

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/832,929A

DATE: 08/27/2004  
TIME: 11:53:31

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\08272004\I832929A.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:25; N Pos. 18,19,20,21,22,23,24,25,26,27,28,29,30,31,32  
Seq#:26; N Pos. 37,38,39,40,41,42,43,44,45,46,47,48,49,50,51  
Seq#:27; N Pos. 19,20,21,22,23,24,25,26,27,28,29,30,31,32,33  
Seq#:28; N Pos. 38,39,40,41,42,43,44,45,46,47,48,49,50,51,52  
Seq#:32; N Pos. 29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46  
Seq#:33; N Pos. 38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55  
Seq#:74; Xaa Pos. 3

**Invalid Line Length:**

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:75; Line(s) 1861  
Seq#:76; Line(s) 1876

## VERIFICATION SUMMARY

DATE: 08/27/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:53:31

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08272004\I832929A.raw

L:634 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:639 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:644 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:649 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:654 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:659 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:664 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:669 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:674 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:679 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:684 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:689 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:694 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:699 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:704 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:723 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:728 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:733 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:738 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:743 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
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L:753 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:758 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:763 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
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L:773 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:778 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:783 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
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L:793 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:812 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:817 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:822 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:827 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:832 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:837 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:842 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:847 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:852 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:857 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
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L:867 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
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L:882 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0



## VERIFICATION SUMMARY

DATE: 08/27/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:53:31

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\08272004\I832929A.raw

L:902 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
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L:912 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:917 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:922 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:1181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:1284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:1851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0



IFW16

## RAW SEQUENCE LISTING

DATE: 08/26/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:29:35

Input Set: A:\Amended seq listing.txt

Output Set: N:\CRF4\08262004\I832929A.raw

4 <110> APPLICANT: Human Genome Sciences, Inc.  
 6 <120> TITLE OF INVENTION: Albumin Fusion Proteins  
 8 <130> FILE REFERENCE: PF547PCT  
 10 <140> CURRENT APPLICATION NUMBER: 09/832,929A  
 11 <141> CURRENT FILING DATE: 2001-04-12  
 13 <150> PRIOR APPLICATION NUMBER: 60/229,358  
 14 <151> PRIOR FILING DATE: 2000-04-12  
 16 <150> PRIOR APPLICATION NUMBER: 60/256,931  
 17 <151> PRIOR FILING DATE: 2000-12-21  
 19 <150> PRIOR APPLICATION NUMBER: 60/199,384  
 20 <151> PRIOR FILING DATE: 2000-04-25  
 22 <160> NUMBER OF SEQ ID NOS: 82  
 24 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply  
Corrected Diskette Needed

## ERRORED SEQUENCES

1951 <210> SEQ ID NO: 82  
 1952 <211> LENGTH: 256  
 1953 <212> TYPE: DNA  
 1954 <213> ORGANISM: Artificial Sequence  
 1956 <220> FEATURE:  
 1957 <221> NAME/KEY: misc\_feature  
 1958 <223> OTHER INFORMATION: Synthetic NF-KB/SV40 promoter  
 1960 <400> SEQUENCE: 82  
 1961 ctcgagggga ctttcccgga gactttccgg ggactttccg ggactttcca tctgccaatct 60  
 1963 caattagtca gcaaccatag tcccgccct aactccgccc atcccgcccc taactccgcc 120  
 1965 cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180  
 1967 ggccgcctcg gcctctgagc tattccagaa gtagtgagga ggcttttttg gaggcctagg 240  
 1969 cttttgcaaa aagctt 256

E--&gt; 1977 38

RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/26/2004  
PATENT APPLICATION:    US/09/832,929A      TIME: 11:29:36

Input Set : A:\Amended seq listing.txt  
Output Set: N:\CRF4\08262004\I832929A.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:75; Line(s) 1861

Seq#:76; Line(s) 1875

Seq#:81; Line(s) 1944

## VERIFICATION SUMMARY

DATE: 08/26/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:29:36

Input Set : A:\Amended seq listing.txt

Output Set: N:\CRF4\08262004\I832929A.raw

L:634 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:639 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:644 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:649 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:654 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:659 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:664 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:669 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:674 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:679 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:684 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:689 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:694 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:699 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:704 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:723 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:728 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:733 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:738 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:743 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:748 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:753 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:758 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:763 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:768 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:773 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:778 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:783 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:788 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:793 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:812 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:817 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:822 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:827 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:832 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:837 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:842 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:847 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:852 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:857 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:862 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:867 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:872 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:877 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:882 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
L:887 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0

## VERIFICATION SUMMARY

DATE: 08/26/2004

PATENT APPLICATION: US/09/832,929A

TIME: 11:29:36

Input Set : A:\Amended seq listing.txt

Output Set: N:\CRF4\08262004\I832929A.raw

L:902 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:907 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:912 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:917 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:922 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:927 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:932 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:937 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:942 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:947 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:952 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:957 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:962 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:967 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:972 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:28  
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:1091 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1096 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1101 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1106 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1111 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1116 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1121 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1126 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1131 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1136 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1146 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1151 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1156 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1161 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1166 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1171 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1176 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:32  
L:1181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0  
L:1194 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1199 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1204 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1209 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1214 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1219 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1224 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1229 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1234 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1239 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1244 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1249 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1254 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1259 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33

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L:1264 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1269 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1274 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1279 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:33  
L:1284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0  
L:1851 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0  
L:1977 M:254 E: No. of Bases conflict, this line has no nucleotides.